## ISSUE SLIP STAPLE AREA (for additional cross references)

| INITIALS | ID NO. | DATE     |  |  |  |  |
|----------|--------|----------|--|--|--|--|
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## INDEX OF CLAIMS

| ~ | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
|   | Allowed                    | - 1 | interference |
|   | (Through numeral) Canceled | Α   | Appeal       |
|   | Restricted                 | 0   | Objected     |

|       |          | 4         | _            |                |              | ÷  |          |          |          |                |    |   | F         | Rest     | rict     | ed            |          |          |     |
|-------|----------|-----------|--------------|----------------|--------------|--|----------|----------|----------|----------------|----|---|-----------|----------|----------|---------------|----------|----------|-----|
| Cla   | im       | U         | <del>)</del> |                |              | Dat  | е        |          |          |                |    |   | Cla       | im       |          |               |          |          | D   |
| Final | Original | 7.10      |              |                |              |  |          |          |          |                |    |   | Final     | Original |          |               |          |          |     |
|       | 1        |           | Π            |                |              |  |          |          |          |                |    | 1 |           | 51       |          |               |          |          |     |
|       |          | <b></b>   | Т            |                |              |  |          | Т        |          |                |    | 1 |           | 52       |          |               |          |          | Г   |
| _     | 2<br>3   |           | $\vdash$     | _              |              |  |          |          |          |                |    |   |           | 53       |          |               |          |          | Г   |
|       | 4        | -         | $\vdash$     | $\vdash$       | -            | -  | Н        | _        | ┢        |                |    |   | H         | 54       | П        | _             | Н        |          | H   |
|       | Б        |           | ┢            |                | -            | -  |          | _        |          |                |    |   | Г         | 55       | $\neg$   |               |          |          |     |
| _     | 6        | -         | ╁            | $\vdash$       | _            | <del>                                     </del> | _        | М        | $\vdash$ |                | -  |   | $\vdash$  | 56       | _        | _             | $\Box$   |          | H   |
| _     | 7        | ┢         | ┢            | -              | ╁            | Н  |          |          | $\vdash$ | $\vdash$       |    |   |           | 57       |          | _             |          | _        | Т   |
| -     | 8        | -         | ╁─           | H              | -            |  |          | _        | $\vdash$ |                |    |   | ┢         | 58       |          |               |          | _        | H   |
| -     | 9        | -         | ├            | ┢              | ┢            | H  | $\vdash$ |          | $\vdash$ | -              |    |   | $\vdash$  | 59       | Н        |               | $\vdash$ |          | H   |
|       | 10       | $\vdash$  | ┝            | -              | -            | <del>                                     </del> | -        | -        |          | H              | _  |   | ┝         | 60       | $\vdash$ | _             | $\vdash$ | -        | -   |
| -     | 11       | -         | -            | $\vdash$       | ┝╌           |  | $\vdash$ | _        | ⊢        | H              |    |   | <u> —</u> | 61       | Н        | $\vdash$      | Н        | $\vdash$ | H   |
| -     | 12       | -         |              | -              | ⊢            | H  |          | -        | <u> </u> | H              | _  |   | ├─        | 62       | Н        | -             | Н        | _        | ┝   |
| _     | 13       |           | ├            | -              | <u> </u>     |  |          |          |          | Н              | _  |   | ├         | 63       |          | $\vdash$      | Н        |          | ┝   |
| _     |          | V         | -            | ├              | <u> </u>     | -  | _        | _        | H        | ├              | _  |   | ⊢         | 64       |          | -             |          |          | ┝   |
| _     | 14)      | 2         | /_           | <u> </u>       | _            | H  |          | -        |          | $\vdash$       |    |   | <u> </u>  |          | -        |               |          | _        | ┝   |
|       | IJ)      | V         | <u> </u>     | Ŀ              | ļ            | _  |          |          | <u> </u> | <u> </u>       |    |   | ┝         | 65       |          |               | H        |          | H   |
|       | 16       | V,        | <u> </u>     | <u> </u>       | _            | _  | _        |          |          | <u> </u>       |    |   | <u> </u>  | 66       |          | <u> </u>      | H        |          | ┝   |
|       | 17       | <u>'/</u> | L            | <u> </u>       | _            |  |          |          | _        | _              |    |   | _         | 67       | Ш        |               | Н        |          | L   |
| _     | 18       | _         | _            | <u> </u>       | L            |  |          | _        | _        | _              |    |   | _         | 68       |          |               |          |          | L   |
|       | 19       | 1         |              | <u></u>        | <u></u>      |  |          |          | L        | L              |    |   | L         | 69       |          |               |          |          | L   |
|       | 20       | /         | <b>\</b>     |                |              | -  |          |          |          |                |    |   |           | 70       |          |               |          |          |     |
|       | 21       | abla      |              |                |              |  |          |          |          |                |    |   |           | 71       |          |               |          |          |     |
|       | 22       | Q         |              |                |              |  |          |          |          |                |    |   |           | 72       |          |               |          |          |     |
|       | 23       | Ó         |              |                |              |  |          |          |          |                |    |   |           | 73       |          |               |          |          | Г   |
| _     | 24       | . /       | -            |                |              |  |          | _        |          |                |    |   |           | 74       |          |               |          |          | Г   |
|       | 25       |           | -            | $\vdash$       |              |  |          | _        |          |                |    |   |           | 75       |          |               |          |          | Г   |
|       | 26       | 4         | $\vdash$     | $\vdash$       |              |  |          |          |          |                |    |   | _         | 76       |          |               |          |          | Т   |
|       | 27       | 1         |              | $\vdash$       | $\vdash$     |  |          |          |          | -              |    |   |           | 77       | П        | $\overline{}$ |          |          | Г   |
| _     | 28       | Ĭ         | <u> </u>     | $\vdash$       | $\vdash$     | -  |          |          |          |                |    |   | $\vdash$  | 78       | $\Box$   |               |          |          |     |
|       | 29       | 1         | $\vdash$     | -              | ┢╌           | -  | -        | _        | -        |                |    |   |           | 79       | $\neg$   | _             |          |          | Н   |
|       | 30       | ×         | -            | ╁─             |              |  |          | -        | _        |                |    |   |           | 80       | $\neg$   | $\neg$        | Н        |          | -   |
|       | 31       | ×         | -            | <del> </del> — | <del> </del> | H  |          |          | -        |                | _  |   | $\vdash$  | 81       |          |               | H        |          | ┢   |
|       | 32       | 7         | -            | -              | -            | -  |          | -        |          | -              | -  |   | $\vdash$  | 82       | $\neg$   | _             | Н        |          | Н   |
| _     | 33       |           | /            | -              |              |  | -        | -        | -        | -              | -  |   | $\vdash$  | 83       | П        | _             | Н        |          | Н   |
| -     | 34       | ~         | -            | -              | -            | ┝  | -        | H        | -        | Н              | _  |   | Н         | 84       |          | -             | -        |          | Н   |
| _     | 35       |           |              | -              | -            |  |          | -        | ┝        | -              |    |   | H         | 85       | $\vdash$ | _             | H        |          | -   |
|       | 36       |           | -            | _              | ├            | _  |          |          | $\vdash$ | -              |    |   |           | 86       | $\vdash$ |               | H        | _        | ┝   |
|       | 37       | -         | -            | -              | ├            | _  | ├        | -        | -        | -              |    |   | -         | 87       | Н        | -             | -        |          | -   |
|       | 38       |           | ├            | ┝              | $\vdash$     | -  |          | -        | ⊢        |                |    |   | ├-        | 88       | H        | -             | Н        |          | H   |
|       | 39       | -         | -            | -              | -            |  | -        |          | $\vdash$ |                |    |   | -         | 89       |          | _             | H        | -        | -   |
|       | _        |           |              |                | -            | -  | -        |          | _        | <del>  -</del> |    |   | -         | 90       | _        |               | H        | -        | H   |
|       | 40       | _         | <u> </u>     |                |              | <u> </u>   |          | _        | _        | <u> </u>       |    |   | <u> </u>  |          |          |               | -        | _        | L   |
|       | 41       | _         |              |                |              |  |          | L        | ļ        |                |    | ' |           | 91       |          | _             |          |          | L   |
| _     | 42       |           |              |                |              |  |          |          |          |                |    |   | <u> </u>  | 92       | L        |               |          |          | L   |
| _     | 43       |           | <u> </u>     | L.             | <u> </u>     |  | L_       |          | <u> </u> | _              | L_ |   | <u> </u>  | 93       | Щ        | _             | Ш        | _        | _   |
| _     | 44       | L         |              | L              | L            |  | <u> </u> | <u> </u> | <u></u>  | <u></u>        | L  |   |           | 94       |          |               |          |          | L   |
| _     | 45       |           |              |                |              |  | _        | L        |          | L              |    |   | L.        | 95       |          |               | Ш        |          | L   |
|       | 46       | L.        |              |                | _            | L  | _        | <u>_</u> |          |                | L  |   | L         | 96       |          | _             | $\sqcup$ |          | L   |
| _     | 47       | Ĺ         | Lì.          | L              | L            | L  |          |          |          |                |    |   |           | 97       |          | L             |          | _        |     |
|       | 48       |           |              |                |              |  |          |          |          |                |    |   |           | 98       |          | L             |          |          |     |
|       | 49       |           |              |                |              |  |          | Ĺ        |          |                |    |   |           | 99       |          |               |          |          | Ĺ   |
| _     | ==       |           | _            |                | 1            | 1  | 1        |          |          |                |    | l | 1         | 100      |          | 1             | 1 7      |          | ۱ - |

| aim      |          |  |              |  | Da           | te           |  |          |          |          | ] | Cla      | im         |          |    | _        |          | Da       | te  |          |          | _        | _ |
|----------|----------|--|--------------|--|--------------|--------------|--|----------|----------|----------|---|----------|------------|----------|----|----------|----------|----------|---|----------|----------|----------|---|
| Τ        | -        |  | Т            | 1  | Ť            | Ϋ́           | 1  |          | П        | 1        | i | <u> </u> |            | П        |    |          | Γ.       | Ē        | Ť.  |          | _        | _        | Г |
| Original |          |  |              |  |              |              |  |          |          |          |   | Final    | Original   |          |    |          |          |          |   |          |          |          |   |
| 51       |          |  | $\vdash$     |  |              |              |  | Г        | T        |          |   |          | 101        | П        |    | Г        |          |          |   |          |          | Г        | T |
| 52       | Г        |  | $\Box$       | T-   |              |              |  |          | T        | Г        |   |          | 102        | П        |    | Г        |          |          |   |          |          | -        | T |
| 53       |          |  |              |  |              |              | Г  | T        |          | Г        | 1 |          | 103        | П        |    |          |          |          |   | ٠٠,      | :        |          | T |
| 54       | 1        | 1  | 1            | 1  |              | Н            | Г  | H        | $\vdash$ |          | 1 |          | 104        |          | _  |          | Н        |          | _   |          |          | Г        | t |
| 55       | 1        |  |              | $\vdash$   |              |              |  | Г        |          |          | 1 |          | 105        |          |    | Г        |          |          | -   | 7        | -        |          | t |
| 56       |          | 1  |              |  |              | $\vdash$     |  | 1        |          |          | 1 |          | 106        | П        |    | Г        |          |          | ٠.  |          |          |          | t |
| 57       |          | T  |              |  |              | Г            |  | Γ        | 1        | Г        | 1 |          | 107        | П        | 7  |          | _        | 7,       | -2  | €.       | 7        |          | t |
| 58       | Г        |  | 1            | 1  |              | Г            | П  | T        | Г        | Г        | 1 |          | 108        |          |    |          |          |          |   | ,~       | 7        |          | t |
| 59       | t        | T  |              | $\vdash$   |              | $\vdash$     |  | $\vdash$ | $\vdash$ | -        |   |          | 109        |          |    |          |          | -        |   |          |          | $\vdash$ | t |
| 60       | $\vdash$ | T  |              | Н  | 1            | 1            | $\vdash$   | T        |          |          | 1 |          | 110        | _        |    |          |          |          |   | 1        | ï,       | Г        | t |
| 61       | Н        | $\vdash$   | 1            | $\vdash$   |              | Г            |  | Ι        | 1        | <u> </u> | 1 |          | 111        | П        |    |          |          |          |   |          |          | _        | t |
| 62       |          | $\vdash$   |              | 1  |              |              |  | 1        |          |          | 1 |          | 112        | П        | ٠. |          |          |          | 1   | - 1      |          | $\vdash$ | t |
| 63       |          | T  | T            | Г  | $I^-$        |              | Г  | Г        |          |          | 1 |          | 113        | H        |    |          | Г        |          |   |          |          | Г        | t |
| 64       | Т        | t  | Т            | П  | Т            | Г            | $\vdash$   | 1        | 1        |          | 1 |          | 114        | $\sqcap$ |    |          | _        | Г        |   |          | _        | _        | t |
| 65       | 1        |  | $\vdash$     | $\vdash$   | 1            | Τ-           | <del>                                     </del> | T        | Г        |          | 1 |          | 115        | H        |    | П        |          |          | T   | П        |          | Г        | t |
| 66       | $\vdash$ | <del>                                     </del> | Т            | Т  | $\vdash$     | 1            | <b>-</b>   |          | Т        |          |   |          | 116        |          |    |          |          | Г        |   |          |          | Г        | T |
| 67       | Н        |  | t            | <del>                                     </del> | H            | Н            | H  | †        | Т        | T        |   | Н        | 117        | $\dashv$ |    | $\vdash$ | _        | -        | 1   | П        |          | Г        | t |
| 68       | $\vdash$ |  | T            | <del>                                     </del> | $\vdash$     |              | Т  | t        | Т        | T -      | 1 |          | 118        | $\dashv$ |    | П        |          |          | <u> </u>  | П        | Т        |          | t |
| 69       | ┢        | -  | <del> </del> | $\vdash$   | $\vdash$     | H            |  | $\vdash$ | 1-       |          | 1 | _        | 119        | $\neg$   | _  |          |          |          | F   |          |          | -        | r |
| 70       | -        | ┼  | ┢            | $\vdash$   | -            | -            | -  | -        | -        | H        |   | ┝        | 120        |          | _  | Н        |          |          |   |          | _        | ┢        | t |
|          | ⊢        | ├-   | $\vdash$     | -  | ┢            |              | -  |          | -        | $\vdash$ |   | H        | 121        | $\dashv$ | _  |          |          | $\vdash$ | -   | -        |          | -        | ŀ |
| 71<br>72 | -        | ├-   |              | -  | -            | -            | -  | $\vdash$ | $\vdash$ | -        |   | $\vdash$ | 122        | $\dashv$ | _  | Н        | -        | -        |   | -        | _        | $\vdash$ | H |
| 73       | -        | ├-   | ┢╌           |  | <del> </del> |              |  |          |          | -        |   | -        | 123        | $\dashv$ |    |          | $\vdash$ | -        |   | -        | _        | -        | H |
| 74       | -        | ⊢  | ⊢            | -  | ├-           |              | ⊢  |          | ┢        |          |   | $\vdash$ | 124        |          | _  |          | -        |          |   |          | -        | H        | H |
| 75       | -        | ├-   | ├            | ⊢  | ├-           | <u> </u>     |  | ⊢        | -        | -        | 1 | -        | 125        | $\dashv$ | _  | -        | -        |          | $\vdash$  |          | -        |          | H |
| 76       |          | -  | -            | ├  | ⊢            | <del> </del> | -  | $\vdash$ | -        | ┝        |   | -        |            | -        |    |          | -        | -        | -   | -        | -        | -        | H |
| L        |          | ┢  | ⊢            | ⊢  |              |              | ⊢  | -        | <u> </u> | ├—       |   |          | 126        |          | _  |          | -        | -        | -   | H        | -        | -        | H |
| 77       | -        | -  | -            | -  | ├            |              |  | ⊢        | <u> </u> | ⊢        |   |          | 127<br>128 | $\dashv$ |    |          | -        | -        |   | $\vdash$ | ┝        | -        | ŀ |
| 78<br>79 | -        | ├-   | -            |  | ├            | -            | ļ  | -        | ├-       | ⊢        |   | <u> </u> | 129        | -        |    | _        |          |          | $\vdash$  |          | -        | -        | H |
| _        | <u> </u> | ⊢  | -            | -  | ļ            |              | <u> </u>   | <u> </u> | -        | H        |   | -        | 130        | $\dashv$ |    | _        | -        | -        | H   |          |          | -        | H |
| 80       | ļ        | ┞  | <u> </u>     | _  | <b>-</b>     | -            | _  | ⊢        |          | -        |   | _        |            | -+       |    | -        |          |          | -   |          | -        | -        | H |
| 81       | _        | ├  | <u> </u>     | _  |              |              |  | <u> </u> | H        | <u> </u> |   |          | 131        | -        |    |          | -        | $\vdash$ |   | <u> </u> | ļ        | -        | H |
| 82       |          | -  | $\vdash$     | -  | <u> </u>     | _            | $\vdash$   | <u> </u> | _        | L        |   |          | 132        | -        | 4  | _        | -        |          | ├-  | H        |          | H        | - |
| 83       | _        | <del>  -</del>                                   |              | <u> </u>   | ⊢-           | <u> </u>     | <u> </u>   | $\vdash$ | <u> </u> | -        |   | _        | 133<br>134 | $\dashv$ |    |          | <u> </u> | $\vdash$ |   | <u> </u> | -        | H        | - |
| 84       | $\vdash$ | ⊢  | <u> </u>     | <u> </u>   |              |              | <u> </u>   | -        |          | $\vdash$ |   |          |            |          | _  | H        |          |          | -   | $\vdash$ | -        |          | H |
| 85       | L        | ┞-   | _            | <u> </u>   | <u> </u>     | ļ            | <u> </u>   | _        | _        | -        |   | _        | 135        | $\dashv$ |    | H        | <u> </u> | H        | <u> </u>  | $\vdash$ | -        | _        | H |
| 86       | _        | ــ   | _            | _  | <u> </u>     | <u> </u>     | ├—   | _        |          | <u> </u> |   |          | 136        |          |    |          | $\vdash$ | _        |   |          | <u> </u> | نــا     | - |
| 87       | <u> </u> | _  | _            | <u> </u>   | <u> </u>     | <u> </u>     |  | <u> </u> | <u> </u> | _        |   |          | 137        | _        |    | L        | <u> </u> | H        | _   | H        |          | $\vdash$ | H |
| 88       | <u> </u> | 1  | _            | <u> </u>   | <u> </u>     | ļ            | <u> </u>   | <u> </u> | <u> </u> | <u> </u> |   | -        | 138        |          |    |          | _        | _        | _   | -        |          | _        | ŀ |
| 89       | _        | _  | _            | _  | _            | <u> </u>     |  | _        | _        | <u> </u> |   |          | 139        | $\dashv$ |    |          | _        | <u> </u> | _   | _        |          | Н        | H |
| 90       | L        | 1_   |              | _  | _            | <u> </u>     | <u> </u>   | L        | L        | 匚        |   | Щ        | 140        |          |    | $\vdash$ | _        | _        |   | <u> </u> | _        | Щ        | L |
| 91       | L        | <u>L</u>   | L            |  | L            |              |  |          | L        | L        |   |          | 141        | $\Box$   |    |          | _        | _        |   |          |          | _        | L |
| 92       |          |  | L            | $\Box$   | 匚            | L            |  |          | Ĺ        |          |   |          | 142        | $\Box$   |    |          |          | Ĺ        | $ldsymbol{ld}}}}}}$ |          |          |          | L |
| 93       | L        |  | L            | Ĺ  | L            |              |  |          | L        |          |   |          | 143        |          |    |          |          | L        |   |          |          |          | L |
| 94       |          |  |              | Ľ  |              |              |  | Ĺ        | Ĺ        | Ĺ        |   |          | 144        |          |    |          |          |          |   |          |          |          | L |
| 95       |          |  |              |  |              | Ĺ            |  | Г        |          |          |   |          | 145        |          |    |          |          |          |   |          |          | _        | L |
| 96       |          |  |              |  | Π            |              |  |          |          |          |   |          | 146        |          |    |          |          |          |   |          |          | _]       |   |
| 97       |          |  |              | Γ  |              |              |  |          |          |          |   |          | 147        | 一        |    |          |          |          |   |          |          |          | L |
| 98       | Γ        | Π  |              |  |              | T            |  | Γ        |          |          |   |          | 148        | $\neg$   |    |          |          |          |   |          |          |          |   |
| 99       |          |  | Γ.           | Γ  |              |              |  | Г        |          |          |   |          | 149        |          |    |          |          |          |   |          |          | _]       |   |
| 100      |          |  | L            | L  |              | Г            |  |          |          |          |   |          | 150        |          | П  |          |          |          |   |          | _]       |          | _ |

If more than 150 claims or 10 actions staple additional sheet here